



TRAINING COURSES

المواد الانبوبية

Tubular Materials

Course Objectives

- ▶ Metallurgical considerations
- ▶ Corrosion & Mitigation
- ▶ Cracking (SSC), Sulfide Stress Cracking (SSC), Hydrogen Embrittlement (HE) in presence of (CO₂, H₂S, Cl⁻, HPHT...etc.)
- ▶ Mechanics (Fracture)
 - Meet the required strength properties
 - Consideration to threats to well integrity: **CORROSION and CRACKING**
 - Consideration of metallurgy
 - Heat treatment, etc.

Who Should Attend

Delegates of these courses can be all interested B.S, and/or High diploma holders (old or new graduate) in the following majors: Material sciences, Metallurgy, Chemical, and Corrosion Engineering. Also, Chemists, Physics, or Petroleum Engineers who are working in corrosion, or inspection, or water treatment sections of oil and gas producing companies. In addition to Specialists, Technologies', Lab workers (Researchers) and /or Technical support Bodies especially those involved Corrosion chemical inhibition and corrosion failures topics.

ABOUT THE LECTURERS:

Dr. Mimoun Elboudjaini is the Vice-President of the International Congress on Fracture and a senior research Scientist at CANMET Materials Technology Laboratory. He has over 20 years of extensive experience in materials R&D and management as coordinator of projects on applications of engineering materials, in particular their properties and performance in various service environments. Projects included research on pipeline steels, copper base alloys, stainless steels used in the mining industry, materials for the aerospace and nuclear industries, and light-weight (aluminum and magnesium) alloys. Lead scientist in numerous research projects including but not limited to hydrogen-induced cracking (HIC), sulphide stress cracking (SSC) in H₂S environments, hydrogen embrittlement, stress-corrosion cracking (SCC), fatigue, galvanizing, and liquid metal embrittlement. Interacting with a wide range of national and international companies and research organizations in identifying R&D initiatives.

Dr. Elboudjaini was Executive Chairman (2005-2009) of the twelfth International Conference on Fracture, ICF12. ICF is the premier international conference, held every four years, on the integrity, mechanics and mechanisms of fracture, fatigue and strength of solids and structures. He is also an active member of several international professional societies as chairman and/or as member of Board of Directors (including NACE, CIM, ASM, ICF, ESIS, and ECF). He was invited to review a proposed book for John Wiley & Sons and edited a book for University Library, and he is adjunct Professor at the University of Alberta,

CORRESPONDENCE:

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